

TECHNICAL REPORT #05-9

Submitted to:

Poultry Production Program Team
University of Minnesota Extension Service

September 12, 2005

Report Prepared by:

Amanda Green, Project Manager
Pam Jones, Survey Manager

SURVEY OF POULTRY PRODUCERS AND PROCESSORS:

RESULTS AND TECHNICAL REPORT

Minnesota Center for Survey Research
University of Minnesota
2331 University Avenue S.E., Suite 141
Minneapolis, Minnesota 55414-3067
(612) 627-4282

TABLE OF CONTENTS

Overview	1
Goals	2
Study Design and Management.....	2
Questionnaire Design.....	2
Sampling Design	3
Data Collection Procedures	3
Management of the Data	5
Completion Status.....	6
Reading the Questionnaire and Results.....	7
Questionnaire and Results	8

APPENDICES

Appendix A: Open-ended Variables	A-1
Appendix B: Continuous Variables	B-1
Appendix C: Cover Letters and Postcard Text	C-1

SURVEY OF POULTRY PRODUCERS AND PROCESSORS

OVERVIEW

The Survey of Poultry Producers and Processors was conducted as a mail survey by the Minnesota Center for Survey Research at the University of Minnesota. The project was funded by the Dean's Office in the College of Agriculture, Food, and Environmental Sciences at the University of Minnesota. Questionnaires were sent to a total of 1,158 individuals who were involved in the poultry industry in Minnesota.

Respondents answered questions about how often they have poultry-related questions that they would like to have answered, how interested they are in obtaining more information about poultry, their level of knowledge about various poultry topics, and the importance of various topics to their operation and to their clients/customers. They were asked how many publications they have purchased on poultry topics, how likely they would be to obtain information from various sources, and how useful specific events are in providing educational information for poultry producers. They were also asked about their attendance at poultry-related educational programs or seminars, how far they would be willing to travel to attend an educational program or seminar, and the importance of specific characteristics of individuals who provide them with information about poultry. They were next asked how important it was for specific organizations to develop and present educational programs, how likely they would be to obtain poultry-related information from various resources, and how likely they would be to attend programs on various poultry topics. In addition, respondents were asked to describe their operation, including information about languages spoken, how long they had worked with poultry, the types of products they or their company sold, their current inventory of specific types of birds, the annual number of birds sold in specific categories, and the percentage of specific types of labor in their operations. Finally, demographic information included questions about year born, gender, position held within their operation, the highest level of education completed, and their county and state of residence.

Mailing and data collection were conducted from June 6 to August 18, 2005.

Questionnaires were completed and returned by 433 individuals. The overall response rate was 42%.

GOALS

The main goal of the Survey of Poultry Producers and Processors was to gather information about the experiences and educational needs of individuals affiliated with Minnesota's poultry industry. The University of Minnesota Extension Service plans to utilize the survey information to evaluate the feasibility and potential success for educational programs that could be offered to poultry producers and processors in Minnesota and the upper Midwest.

STUDY DESIGN AND MANAGEMENT

The Survey of Poultry Producers and Processors was conducted as a mail survey by the Minnesota Center for Survey Research (MCSR) at the University of Minnesota. The project was funded by the Dean's Office in the College of Agriculture, Food, and Environmental Sciences at the University of Minnesota. The highest standards of quality survey research were employed in conducting this project.

The administrative coordination of the project was provided by the MCSR Director, Rossana Armson. The MCSR Project Manager, Amanda Green, and Survey Manager, Pam Jones, were responsible for conducting the pretest, revising the survey instrument, data collection, coding and editing, and writing the methodology report. The MCSR Data Manager, Anne Caron, was responsible for ensuring data accuracy and conversion of the raw ASCII data into an SPSS system file format for analysis.

QUESTIONNAIRE DESIGN

The initial draft of the questionnaire was provided to MCSR by Sally Noll, Professor of Animal Science at the University of Minnesota. Amanda Green and Pam Jones suggested revisions for the survey, and a pretest of the revised questionnaire was completed in May 2005 by 16 individuals affiliated with Minnesota's poultry industry. Following the pretest, minor revisions were made to the survey. Approval of the final questionnaire was given by Sally Noll prior to the start of data collection.

Respondents answered questions about how often they have poultry-related questions that they would like to have answered, how interested they are in obtaining more information about poultry, their level of knowledge about various poultry topics, and the importance of various topics to their operation and to their clients/customers. They were asked how many publications they have purchased on poultry topics, how likely they would be to obtain information from various sources, and how useful specific events are in providing educational information for poultry producers. They were also asked about their attendance at poultry-related educational programs or seminars, how far they would be willing to travel to attend an educational program or seminar, and the importance of specific characteristics of individuals who provide them with information about poultry.

They were next asked how important it was for specific organizations to develop and present educational programs, how likely they would be to obtain poultry-related information from various resources, and how likely they would be to attend programs on various poultry topics. In addition, respondents were asked to describe their operation, including information about languages spoken, how long they had worked with poultry, the types of products they or their company sold, their current inventory of specific types of birds, the annual number of birds sold in specific categories, and the percentage of specific types of labor in their operations. Finally, demographic information included questions about year born, gender, position held within their operation, the highest level of education completed, and their county and state of residence.

SAMPLING DESIGN

Questionnaires were sent to a total of 1,158 individuals who were involved in the poultry industry in Minnesota. Several lists were provided to MCSR by Sally Noll to be used for sampling: (1) people affiliated with Minnesota poultry associations, (2) people who have attended Extension Continuing Education programs, (3) veterinarians, and (4) people who work in or manage hatcheries. Prior to drawing a random sample from these lists, 68 people were identified by Sally Noll as people to include in the sample because of their importance to the industry. Once these people were removed from the list, a random sample of 1,000 individuals was drawn from the combined lists.

In addition to the random sample of 1,000, 158 surveys were sent to individuals who were specifically selected for the study. Sixty eight of these were the people identified by Sally Noll as important to the study. To ensure that people associated with small poultry businesses were represented in the sample, MCSR staff used the web to identify 10 additional small growers to include in the sample. Finally, representatives from Gold'n Plump generously agreed to send the survey to a sample of 80 Gold'n Plump growers, which helped ensure individuals from this company were well-represented in the sample.

DATA COLLECTION PROCEDURES

The procedures used by MCSR for this mail survey were based on Mail and Telephone Surveys, by Don A. Dillman. Mailing and data collection for the Survey of Poultry Producers and Processors were conducted from June 6 to August 18, 2005.

Mailing Procedures

The first mailing for all but the Gold'n Plump growers was sent on June 6, and included the following: (1) a cover letter from Sally Noll inviting participation in the survey; (2) a survey instrument; and (3) a self-addressed, stamped return envelope. The 80 Gold'n Plump survey mailing packets were assembled at MCSR and sent to the Gold'n Plump administrative offices in St. Cloud, Minnesota where they were mailed on June 14.

The second mailing consisted of a reminder postcard, which was sent on June 13 to the individuals who received their survey mailings from MCSR, while Gold'n Plump growers were sent a post card reminder on June 21. The postcard thanked individuals if they had already filled out the questionnaire, and asked them to take time to complete the survey if they had not already done so.

A third mailing was sent on June 27 to all individuals in the MCSR mailing group who had not yet returned their survey, and to all Gold'n Plump nonrespondents on July 5. This mailing was identical procedurally to the first mailing and included a copy of the questionnaire, a reminder cover letter, and a self-addressed, stamped return envelope.

A final postcard was sent on July 19 to all nonrespondents in the MCSR mailing group. The postcard asked individuals to respond either by completing the survey, or by indicating they were not involved in the poultry industry. Because the response by the Gold'n Plump growers was quite good, individuals in that group did not receive the final postcard.

Copies of the cover letters and postcards are presented in Appendix C.

Supervision and Quality Control of the Mailings

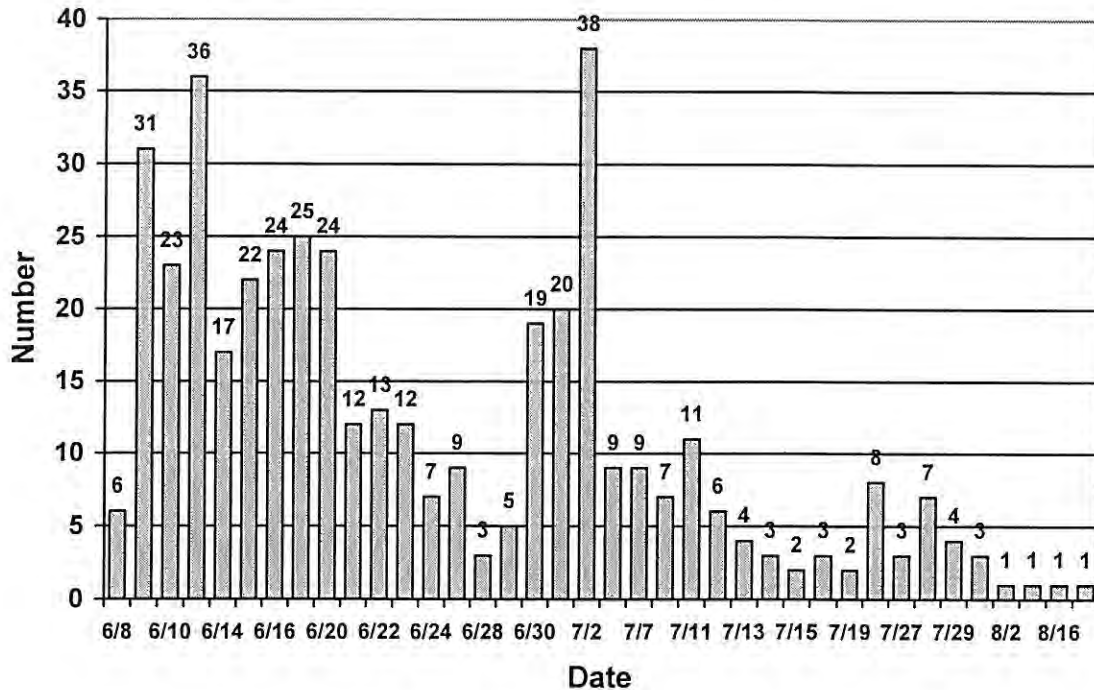
The four mailings were completed under the supervision of the MCSR Survey Manager and the Project Manager. Quality checks were made prior to sealing the envelopes to ensure that the survey packets were complete and that the address labels and survey identification numbers matched.

Survey Returns

Returned surveys were counted to track sample status and response rate. Peak survey returns occurred within a few days after each mailing and illustrate the importance of multiple mailings to ensure a high response rate (see Figure 1).

FIGURE 1

**SURVEY OF POULTRY PRODUCERS AND PROCESSORS
NUMBER OF COMPLETED SURVEYS BY DATE**



MANAGEMENT OF THE DATA

Editing and Coding

Editing and coding included the completion of three major tasks. First, all surveys were checked for response clarity to eliminate dual responses when single-answer responses were sought. Second, the coder/editor recorded responses to "other-specify" questions. Third, responses to open-ended questions were reviewed, response categories created, and value labels assigned.

Editing and coding was done by one coder who attended a training session to gain familiarity with the survey instrument. Unclear or ambiguous responses were directed to the Project Manager for resolution. In addition, the Project Manager conducted quality control and reviewed coded/edited surveys throughout this phase.

Data Entry and Cleaning

After coding was completed, the questionnaires were key entered onto a data tape by a commercial data entry firm and a computer data file was prepared. Once a complete file of the questionnaire was constructed, it was examined systematically to remove data entry errors. Data cleaning involved the use of a computer program to evaluate each case for variables with out-of-range values. In addition, the file was examined manually to identify cases with paradoxical or inappropriate responses.

COMPLETION STATUS

Questionnaires were completed and returned by 433 individuals. Eleven individuals refused to participate, 588 surveys were not returned, and the remaining 126 were eliminated from the sample for the reasons listed below in Table 1. The overall response rate was 42%.

TABLE 1**FINAL SAMPLE STATUS FOR THE SURVEY
OF POULTRY PRODUCERS AND PROCESSORS**

<u>Status</u>	<u>Number</u>	<u>Percent</u>
Surveys returned	433	37%
Refusals	11	1%
Surveys not returned	588	51%
Eliminated:		
Duplicates	6	1%
Undeliverable mail	26	2%
Deceased	6	1%
Not in the poultry business	<u>88</u>	<u>8%</u>
TOTAL SENT	1,158	101%

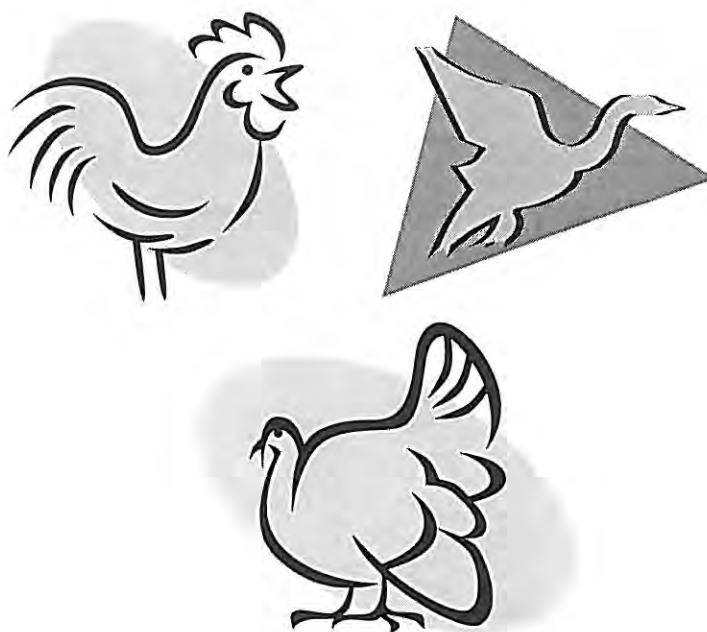
$$\text{RESPONSE RATE} = \frac{\text{Completed questionnaires}}{\text{Total sent - eliminated}} = 42\%$$

READING THE QUESTIONNAIRE AND RESULTS

The Questionnaire and Results section of this report contains the response frequencies and percentages for each question in the survey. The actual responses of all 433 individuals who completed the survey are shown for each question. Percentage distributions also are presented; "valid" percentages were computed after eliminating those who refused to answer, did not know, or were not required to answer a particular question.

The question numbers were used as variable labels in the computer data files. This information is provided as documentation for those who wish to use a computer file and the SPSS software package to conduct more detailed data analyses.

University of Minnesota Extension Service Survey of Poultry Producers and Processors



Minnesota Center for Survey Research
University of Minnesota
2331 University Avenue SE, Suite 141
Minneapolis, MN 55414
612-627-4282

University of Minnesota Extension Service Survey of Poultry Producers and Processors

Please circle the number or letter that corresponds to the answer closest to your opinion, or write in the information requested. All individual responses will be confidential.

Q1. How often do you have poultry-related questions that you would like to have answered? *(Circle one.)*

<u>Freq</u>	<u>(%)</u>	
82	(19)	1. Frequently
255	(60)	2. Some of the time
80	(19)	3. Rarely
8	(2)	4. Never
8		BLANK

Q2. How interested are you in obtaining more information about poultry? *(Circle one.)*

111	(26)	1. Very interested
251	(59)	2. Interested
57	(13)	3. Not very interested
9	(2)	4. Not at all interested
5		BLANK

Q3. How knowledgeable are you about the following topics? *(Circle one answer for each item.)*

	<u>Very</u> <u>Knowledgeable</u>	<u>Somewhat</u> <u>Knowledgeable</u>	<u>Not Very</u> <u>Knowledgeable</u>	<u>Not at All</u> <u>Knowledgeable</u>	BLANK	
	1	2	3	4		
a. General poultry care	227 (53)	179 (42)	15 (4)	7 (2)	5	Freq (%)
b. Poultry facilities	187 (44)	207 (48)	29 (7)	5 (1)	5	
c. Poultry health	115 (27)	245 (58)	58 (14)	8 (2)	7	
d. Poultry nutrition	72 (17)	198 (47)	135 (32)	17 (4)	11	
e. Range/Pasture management	53 (12)	110 (26)	133 (31)	127 (30)	10	
f. Poultry processing	44 (10)	146 (34)	159 (37)	78 (18)	6	

SURVEY OF POULTRY PRODUCERS AND PROCESSORS

Q4. How important to you or your operation or to your clients/customers is each of the following topics? *(Circle two answers for each topic – one for you/your operation and one for your clients/customers.)*

		To you or your operation			To your clients/customers			Freq (%)
		Important	Not Important	BLANK	Important	Not Important	BLANK	
		1	2		1	2		
a.	Animal welfare	394 (94)	26 (6)	13	335 (92)	31 (8)	67	
b.	Biosecurity	393 (95)	21 (5)	19	294 (82)	65 (18)	74	
c.	Breeder flock management	283 (69)	125 (31)	25	199 (56)	158 (44)	76	
d.	Breed selection	331 (79)	86 (21)	16	199 (56)	159 (44)	75	
e.	Brooding management	359 (86)	57 (14)	17	214 (60)	144 (40)	75	
f.	Dead bird disposal	362 (86)	57 (14)	14	231 (64)	132 (36)	70	
g.	Disease/health	410 (98)	8 (2)	15	331 (92)	30 (8)	72	
h.	Environmental impact of poultry	357 (86)	60 (14)	16	275 (76)	87 (24)	71	
i.	Feed handling	377 (90)	42 (10)	14	208 (58)	154 (42)	71	
j.	Fly and pest control	369 (88)	50 (12)	14	234 (65)	127 (35)	72	
k.	Food quality	365 (88)	52 (12)	16	316 (87)	47 (13)	70	
l.	Food safety	367 (88)	49 (12)	17	319 (88)	44 (12)	70	
m.	Government regulation	349 (84)	68 (16)	16	250 (69)	112 (31)	71	
n.	Growing management	388 (93)	29 (7)	16	242 (67)	119 (33)	72	
o.	Hatchery management	302 (73)	113 (27)	18	188 (52)	172 (48)	73	
p.	Liabilities	354 (85)	62 (15)	17	237 (66)	124 (34)	72	
q.	Manure management	353 (84)	65 (16)	15	217 (60)	146 (40)	70	
r.	Poultry nutrition	389 (93)	29 (7)	15	250 (69)	113 (31)	70	
s.	Poultry facility design and management	352 (84)	66 (16)	15	216 (60)	147 (40)	70	
t.	Product storage	290 (70)	127 (30)	16	255 (70)	108 (30)	70	
u.	Range/Pasture management	135 (33)	277 (67)	21	100 (28)	253 (72)	80	
v.	Water quality	385 (92)	33 (8)	15	267 (74)	96 (26)	70	
w.	When to call a vet	315 (76)	99 (24)	19	179 (50)	180 (50)	74	

SURVEY OF POULTRY PRODUCERS AND PROCESSORS

Q5. What OTHER poultry-related topics that are **not listed in Q4** do you feel are important to you or your operation?

<u>Freq</u>	<u>(%)</u>	1.	Comment
42	(10)	2.	No comment
391	(90)		

Q6. What OTHER poultry-related topics that are **not listed in Q4** do you feel are important to your customers/clients?

30	(7)	1.	Comment
403	(93)	2.	No comment

Q7. In the past 12 months, have you purchased any of the following types of publications about the topics in Q4? If yes, how many publication(s) have you purchased in the past 12 months?

	<u>Yes</u> 1	<u>No</u> 2	BLANK	
a. Book(s)	64 (17)	311 (83)	58	Freq (%)
b. Magazine(s)	165 (41)	239 (59)	29	
c. Pamphlet(s)	65 (17)	314 (83)	54	
d. Videos/DVDs/CDs	43 (12)	332 (88)	58	
e. Newsletter(s)	128 (33)	261 (67)	44	
f. Other publication (<i>Specify</i>): _____	21 (100)	0 (-)	412	
g. Other publication (<i>Specify</i>): _____	5 (100)	0 (-)	428	

(SEE APPENDIX B,

PAGES B-3 TO B-6)

SURVEY OF POULTRY PRODUCERS AND PROCESSORS

Q8. How often do you obtain poultry-related information from the following sources?
(Circle one answer for each source.)

	<u>Frequently</u> 1	<u>Sometimes</u> 2	<u>Rarely</u> 3	<u>Never</u> 4	BLANK	
a. Television/Radio	9 (2)	83 (20)	192 (45)	141 (33)	8	Freq (%)
b. Local newspaper	7 (2)	100 (24)	200 (47)	119 (28)	7	
c. Poultry magazines	205 (48)	143 (33)	46 (11)	35 (8)	4	
d. Internet/web	101 (24)	127 (30)	82 (19)	113 (27)	10	
e. Associations/Co-ops	62 (15)	128 (30)	140 (33)	96 (22)	7	
f. Other poultry growers	145 (34)	215 (50)	53 (12)	15 (4)	5	
g. Feed stores or companies	60 (14)	160 (38)	123 (29)	84 (20)	6	
h. Breeder company or hatchery	93 (22)	173 (40)	97 (23)	64 (15)	6	
i. Drug company representatives	52 (12)	136 (32)	120 (28)	118 (28)	7	
j. Independent consultant	52 (12)	115 (27)	126 (30)	133 (31)	7	
k. Private/Company veterinarian	96 (22)	144 (34)	101 (24)	87 (20)	5	
l. Poultry Schools – U of M	30 (7)	140 (33)	142 (34)	112 (26)	9	
m. Other U of M events or resources (Extension Service, Vet Med, College of Ag, etc.)	30 (7)	136 (32)	148 (35)	111 (26)	8	
n. Extension Service – other states	14 (3)	87 (21)	125 (30)	187 (45)	20	
o. Other (Specify): _____	8 (67)	4 (33)	0 (-)	0 (-)	421	

SURVEY OF POULTRY PRODUCERS AND PROCESSORS

Q9. How useful are the following events in terms of providing educational information for poultry producers? (*Circle one answer for each event.*)

	<u>Very Useful</u> 1	<u>Somewhat Useful</u> 2	<u>Not Very Useful</u> 3	<u>Not at All Useful</u> 4	BLANK	
a. Community education events	39 (9)	181 (43)	149 (36)	49 (12)	15	Freq (%)
b. County fairs	36 (9)	123 (29)	181 (43)	80 (19)	13	
c. Poultry organization events	191 (45)	186 (44)	29 (7)	15 (4)	12	
d. Industry-sponsored events	197 (47)	168 (40)	35 (8)	18 (4)	15	
e. Poultry shows	177 (42)	154 (37)	65 (15)	25 (6)	12	
f. Midwest Poultry Federation Convention	209 (50)	147 (35)	41 (10)	22 (5)	14	
g. State Fair	37 (9)	134 (32)	168 (40)	81 (19)	13	
h. State poultry conventions	119 (29)	181 (44)	75 (18)	33 (8)	25	
i. U of M Poultry Schools	135 (34)	168 (42)	68 (17)	28 (7)	34	
j. Other U of M events or resources (Extension Service, Vet Med, College of Ag, etc.)	99 (25)	198 (50)	68 (17)	34 (8)	34	
k. Other (<i>Specify</i>): _____	2 (67)	1 (33)	0 (-)	0 (-)	430	

Q10. How In the past 12 months, how many poultry educational programs or seminars have you attended? (*Circle one.*)

<u>Freq</u>	<u>(%)</u>	
161	(38)	1. None → → → →
165	(39)	2. 1 – 2 programs
72	(17)	3. 3 – 4 programs
24	(6)	4. 5 or more programs
11		BLANK

Q10a. If none, what are the reasons you have not attended any programs?

(SEE APPENDIX A, PAGE A-2)

(PLEASE SKIP TO Q12)

Q10b. What was the total amount you paid for all education program registration fees in the past 12 months? \$ _____

(SEE APPENDIX B, PAGE B-6)

SURVEY OF POULTRY PRODUCERS AND PROCESSORS

Q11. What was the best education program or seminar that you attended in the last year and why? *(Please list the name of the program and the location.)*

a/b. Program (Title/Topic) and/or Location (City, State):

<u>Freq</u> (<u>%</u>)	
157 (60)	1. Comment
105 (40)	2. No comment
171	BLANK

c. Why was it the best?

133 (51)	1. Comment
129 (49)	2. No comment
171	BLANK

Q12. How likely are you to travel the following distances to attend an educational program or seminar? *(Circle one answer for each distance.)*

		<u>Very Likely</u> 1	<u>Somewhat Likely</u> 2	<u>Not Very Likely</u> 3	<u>Not At All Likely</u> 4	BLANK	
a.	Less than 50 miles	263 (64)	109 (27)	23 (6)	15 (4)	23	Freq (%)
b.	50 to 99 miles	127 (31)	160 (39)	56 (14)	64 (16)	26	
c.	100 to 500 miles	59 (14)	126 (30)	102 (24)	129 (31)	17	
d.	More than 500 miles	13 (3)	58 (14)	92 (23)	240 (60)	30	

SURVEY OF POULTRY PRODUCERS AND PROCESSORS

Q13. Thinking about individuals who may provide you with information about poultry, how important are the following characteristics? (*Circle one answer for each item.*)

	<u>Very Important</u> 1	<u>Somewhat Important</u> 2	<u>Not Very Important</u> 3	<u>Not At All Important</u> 4	BLANK	
a. Has college training in poultry management or related discipline	135 (32)	203 (48)	65 (15)	21 (5)	9	Freq (%)
b. Has college training in veterinary medicine	143 (34)	205 (48)	61 (14)	15 (4)	9	
c. Has general knowledge about many poultry topics	220 (52)	179 (42)	18 (4)	7 (2)	9	
d. Has specialized knowledge about a few poultry topics	157 (37)	226 (53)	33 (8)	7 (2)	10	
e. Has quick access to specialists when needed	256 (60)	140 (33)	23 (5)	6 (1)	8	
f. Is affiliated with a poultry business	139 (33)	197 (46)	76 (18)	14 (3)	7	
g. Is affiliated with a poultry organization	98 (23)	207 (49)	102 (24)	17 (4)	9	
h. Is affiliated with a university	43 (10)	213 (50)	139 (33)	31 (7)	7	
i. Is located close to your farm	71 (17)	163 (39)	133 (32)	53 (13)	13	
j. Knows your farm	96 (23)	152 (36)	118 (28)	54 (13)	13	
k. Personally owns poultry	62 (15)	122 (29)	139 (33)	100 (24)	10	
l. Provides a quick response	233 (55)	151 (36)	31 (7)	10 (2)	8	
m. Shows or exhibits poultry	22 (5)	57 (13)	147 (35)	198 (47)	9	
n. Will visit your farm	112 (26)	176 (42)	84 (20)	50 (12)	11	
o. Other (<i>Specify</i>): _____	6 (100)	0 (-)	0 (-)	0 (-)	427	

SURVEY OF POULTRY PRODUCERS AND PROCESSORS

Q14. How important is it that the following organizations develop and present educational programs? *(Circle one answer for each organization.)*

	<u>Very Important</u> 1	<u>Somewhat Important</u> 2	<u>Not Very Important</u> 3	<u>Not At All Important</u> 4	BLANK	
a. Breed companies	133 (32)	197 (47)	69 (16)	23 (6)	11	Freq (%)
b. Feed companies	97 (23)	219 (52)	84 (20)	23 (5)	10	
c. State poultry associations	136 (32)	204 (48)	64 (15)	18 (4)	11	
d. University of Minnesota	170 (40)	191 (45)	45 (11)	19 (4)	8	
e. Other universities	97 (23)	189 (45)	98 (23)	34 (8)	15	
f. Private veterinarians	66 (16)	205 (49)	109 (26)	38 (9)	15	
g. Other <i>(Specify):</i> _____	8 (73)	3 (27)	0 (-)	0 (-)	422	
h. Other <i>(Specify):</i> _____	3 (75)	1 (25)	0 (-)	0 (-)	429	

Q15. If available, how likely would you be to obtain poultry-related information from the following resources? *(Circle one answer for each resource.)*

	<u>Very Likely</u> 1	<u>Somewhat Likely</u> 2	<u>Not Very Likely</u> 3	<u>Not At All Likely</u> 4	BLANK	
a. Internet/web	176 (41)	142 (33)	56 (13)	53 (12)	6	Freq (%)
b. Evening seminars	59 (14)	224 (53)	114 (27)	27 (6)	9	
c. On-line courses	66 (16)	119 (28)	166 (39)	73 (17)	9	
d1. Correspondence courses	32 (8)	124 (29)	198 (47)	68 (16)	11	
d2. Video conferencing	42 (10)	122 (29)	176 (42)	84 (20)	9	
e. Saturday programs (1/2 day)	33 (8)	161 (38)	154 (36)	75 (18)	10	
f. Saturday programs (all day)	23 (6)	99 (24)	198 (47)	102 (24)	11	
g. Weekday workshops (1/2 day)	66 (16)	192 (46)	114 (27)	49 (12)	12	
h. Weekday workshops (1 day)	84 (20)	161 (38)	117 (28)	64 (15)	7	
i. Weekday workshops (2 days)	42 (10)	118 (28)	156 (37)	108 (26)	9	
j. Weekday workshops (3 days)	25 (6)	73 (17)	174 (41)	149 (35)	12	
k. Short publications/factsheets	210 (50)	157 (37)	29 (7)	25 (6)	12	
l. Other <i>(Specify):</i> _____	3 (100)	0 (-)	0 (-)	0 (-)	430	

SURVEY OF POULTRY PRODUCERS AND PROCESSORS

Q16. If educational programs that you could attend in person were offered, how likely would you be to attend a program about the following topics? *(Circle one answer for each topic.)*

	<u>Very Likely</u> 1	<u>Somewhat Likely</u> 2	<u>Not Very Likely</u> 3	<u>Not At All Likely</u> 4	BLANK	
a. General poultry care	123 (29)	191 (45)	88 (21)	25 (6)	6	Freq (%)
b. Poultry facilities	94 (22)	205 (48)	103 (24)	24 (6)	7	
c. Poultry health	186 (44)	171 (40)	45 (11)	23 (5)	8	
d. Poultry nutrition	119 (28)	175 (41)	97 (23)	34 (8)	8	
e. Poultry welfare	105 (25)	189 (44)	101 (24)	31 (7)	7	
f. Range/Pasture management	28 (7)	73 (17)	125 (30)	197 (47)	10	
g. Other <i>(Specify)</i> : _____	14 (100)	0 (-)	0 (-)	0 (-)	419	
h. Other <i>(Specify)</i> : _____	3 (100)	0 (-)	0 (-)	0 (-)	430	

Q17. What additional comments do you have about educational programs that could be provided for poultry producers and processors?

<u>Freq</u>	<u>(%)</u>	
63	(14)	1. Comment
370	(86)	2. No comment

Please answer the following questions about yourself. This information will be used only to compare your answers with others. It will not be used to identify you in any way.

Q18. Which languages are spoken by you and/or your employees? *(Circle all that apply)*

<u>Freq</u>	<u>(%)</u>	*	
413	(97)		a. English as a first language
59	(14)		b. English as a second language
80	(19)		c. Spanish
10	(2)		d. Hmong
10	(2)		e. Somali
7	(2)		f. Lao
12	(3)		g. Other <i>(Please specify)</i> : _____
7			BLANK

* Respondents could circle more than one answer, so percentages will not total to 100%.

SURVEY OF POULTRY PRODUCERS AND PROCESSORS

Q19. How long have you worked with poultry? (*Circle one*)

<u>Freq</u>	<u>(%)</u>	
19	(4)	1. 0 – 3 years
68	(16)	2. 4 – 10 years
341	(80)	3. More than 10 years
5		BLANK

Q20. What types of products do you or your company sell? (*Circle all that apply*)

<u>Freq</u>	<u>(%)</u>	<u>*</u>
83	(20)	a. Table eggs
67	(16)	b. Hatching eggs
176	(42)	c. Poultry meat (i.e., processed birds)
59	(14)	d. Day old chicks/poults/ducks
33	(8)	e. Replacement hens (chicken or turkey)
161	(38)	f. Live birds
30	(7)	g. Other (<i>Please specify</i>): _____
16	(4)	h. Health/Nutrition (VOLUNTEERED)
18	(4)	i. Feed (VOLUNTEERED)
11	(3)	j. Eggs/Liquid eggs (VOLUNTEERED)
11		BLANK

Q21. What is your current poultry inventory in each of the following categories?
(*Please fill in one number for each category; if zero, write in "0"*):

		<u>Poultry Inventory (Number)</u>
a.	Layers 20 weeks and older	(SEE APPENDIX B, PAGE B-7)
b.	Replacement Pullets	(SEE APPENDIX B, PAGE B-9)
c.	Broilers and other meat-type chickens	(SEE APPENDIX B, PAGE B-11)
d.	Turkeys	(SEE APPENDIX B, PAGE B-12)
e.	Replacement turkey hens	(SEE APPENDIX B, PAGE B-15)
f1.	Turkey breeder hens	(SEE APPENDIX B, PAGE B-16)
f2.	Ducks or geese	(SEE APPENDIX B, PAGE B-17)
g.	Pheasants	(SEE APPENDIX B, PAGE B-18)
h.	Other (<i>Specify</i>) _____	(SEE APPENDIX B, PAGE B-19)

* Respondents could circle more than one answer, so percentages will not total to 100%.

SURVEY OF POULTRY PRODUCERS AND PROCESSORS

Q22. How many birds do you sell annually for each of the following categories?
(Please fill in one number for each category; if zero, write in "0"):

	<u>Poultry Inventory (Number)</u>
a. Layers 20 weeks and older	(SEE APPENDIX B, PAGE B-20)
b. Replacement Pullets	(SEE APPENDIX B, PAGE B-21)
c. Broilers and other meat-type chickens	(SEE APPENDIX B, PAGE B-22)
d. Turkeys	(SEE APPENDIX B, PAGE B-23)
e. Replacement turkey hens	(SEE APPENDIX B, PAGE B-26)
f1. Turkey breeder hens	(SEE APPENDIX B, PAGE B-26)
f2. Ducks or geese	(SEE APPENDIX B, PAGE B-27)
g. Pheasants	(SEE APPENDIX B, PAGE B-28)
h. Other (Specify) _____	(SEE APPENDIX B, PAGE B-29)

Q23. What year were you born?

(SEE APPENDIX B, PAGE B-30)

Q24. Are you male or female?

<u>Freq</u>	<u>(%)</u>	
368	(86)	1. Male
59	(14)	2. Female
6		BLANK

Q25. What position do you hold in your poultry operation? (Circle one response.)

242	(57)	1. Owner
90	(21)	2. Manager
18	(4)	3. Farm Supervisor
5	(1)	4. Feed mill manager
6	(1)	5. Processing facility manager
46	(11)	6. Other (Please specify): _____
10	(2)	7. Nutrition list (VOLUNTEERED)
8	(2)	8. Sales (VOLUNTEERED)
8		BLANK

SURVEY OF POULTRY PRODUCERS AND PROCESSORS

Q26. What percentage (%) of your operations' labor is provided by the following? *(Please fill in a percentage for each category; if zero, please write in "0".)*

Percent

- a. Family Members (SEE APPENDIX B, PAGE B-32)
- b. Hired, full time or part-time (SEE APPENDIX B, PAGE B-33)
- c. Temp workers or crews (SEE APPENDIX B, PAGE B-34)

Q27. What is the highest level of education you have completed? *(Circle one.)*

<u>Freq</u>	<u>(%)</u>	
19	(4)	1. Some High School
139	(33)	2. High School graduate (or GED)
63	(15)	4. Bachelor's degree (BA, BS)
121	(28)	5. Some post-graduate work
26	(6)	3. Technical Diploma
51	(12)	6. Graduate or professional degree (MA, MS, Ph.D, MD, etc.)
7	(2)	7. Other <i>(Please specify):</i> _____
7		BLANK

Q28. In what county and state do you live?

County: _____

State: _____

(SEE APPENDIX A, PAGES A-2 TO A-5)

Thank you very much for your help with the survey.

Please return your survey in the postage-paid envelope provided to:

Minnesota Center for Survey Research
University of Minnesota
2331 University Avenue SE, Suite 141
Minneapolis, MN 55414

APPENDIX A
OPEN-ENDED VARIABLES

Variable	Description	Page
Q10a	Reasons have not attended any poultry educational programs/ seminars in past 12 months	A-2
Q28a	County of residence	A-2
Q28b	State of residence	A-5

Q10a REASONS HAVE NOT ATTENDED ANY POULTRY EDUCATIONAL PROGRAMS/SEMINARS IN PAST 12 MONTHS

Value	Frequency	Percent	Valid Percent	Cumulative Percent
1 Not informed of programs	12	2.8	9.5	9.5
2 Too far away	8	1.8	6.3	15.9
3 None interesting/applicable	10	2.3	7.9	23.8
4 Too expensive	1	.2	.8	24.6
5 No time/opportunity to go	48	11.1	38.1	62.7
6 Programs poorly scheduled	1	.2	.8	63.5
7 No need/NA	27	6.2	21.4	84.9
8 None offered/available	6	1.4	4.8	89.7
77 Other	13	3.0	10.3	100.0
Total valid	126	29.1	100.0	
Missing	307	70.9		
Total	433	100.0		

Q28A COUNTY OF RESIDENCE

Value	Frequency	Percent	Valid Percent	Cumulative Percent
1 Aitkin	1	.2	.3	.3
2 Anoka	3	.7	.8	1.1
3 Becker	8	1.8	2.1	3.2
4 Beltrami	1	.2	.3	3.4
5 Benton	11	2.5	2.9	6.3
6 Big Stone	1	.2	.3	6.6
7 Blue Earth	2	.5	.5	7.1
8 Brown	5	1.2	1.3	8.5
10 Carver	3	.7	.8	9.3
12 Chippewa	1	.2	.3	9.5
13 Chisago	2	.5	.5	10.1
14 Clay	4	.9	1.1	11.1
15 Clearwater	1	.2	.3	11.4
17 Cottonwood	4	.9	1.1	12.4
18 Crow Wing	1	.2	.3	12.7
19 Dakota	3	.7	.8	13.5
20 Dodge	2	.5	.5	14.0
21 Douglas	2	.5	.5	14.6
22 Faribault	1	.2	.3	14.8
23 Fillmore	3	.7	.8	15.6
25 Goodhue	3	.7	.8	16.4

Q28A COUNTY OF RESIDENCE (CONT)

Value	Frequency	Percent	Valid Percent	Cumulative Percent
26 Grant	3	.7	.8	17.2
27 Hennepin	5	1.2	1.3	18.5
28 Houston	1	.2	.3	18.8
30 Isanti	1	.2	.3	19.0
32 Jackson	2	.5	.5	19.6
34 Kandiyohi	26	6.0	6.9	26.5
39 Lake of the Woods	1	.2	.3	26.7
42 Lyon	2	.5	.5	27.2
45 Marshall	2	.5	.5	27.8
46 Martin	3	.7	.8	28.6
47 Meeker	8	1.8	2.1	30.7
48 Mille Lacs	4	.9	1.1	31.7
49 Morrison	42	9.7	11.1	42.9
52 Nicollet	2	.5	.5	43.4
53 Nobles	1	.2	.3	43.7
54 Norman	1	.2	.3	43.9
55 Olmsted	1	.2	.3	44.2
56 Otter Tail	11	2.5	2.9	47.1
58 Pine	5	1.2	1.3	48.4
61 Pope	3	.7	.8	49.2
62 Ramsey	3	.7	.8	50.0
64 Redwood	7	1.6	1.9	51.9
65 Renville	4	.9	1.1	52.9
66 Rice	5	1.2	1.3	54.2
68 Roseau	4	.9	1.1	55.3
71 Sherburne	2	.5	.5	55.8
72 Sibley	3	.7	.8	56.6
73 Stearns	47	10.9	12.4	69.0
74 Steele	2	.5	.5	69.6
76 Swift	4	.9	1.1	70.6
77 Todd	10	2.3	2.6	73.3
79 Wabasha	2	.5	.5	73.8
80 Wadena	2	.5	.5	74.3
81 Waseca	2	.5	.5	74.9
82 Washington	2	.5	.5	75.4
83 Watonwan	1	.2	.3	75.7
85 Winona	1	.2	.3	75.9
86 Wright	8	1.8	2.1	78.0
87 Yellow Medicine	1	.2	.3	78.3
101 Adair	1	.2	.3	78.6
103 Allamakee	1	.2	.3	78.8

Q28A COUNTY OF RESIDENCE (CONT)

Value	Frequency	Percent	Valid Percent	Cumulative Percent
111 Buena Vista	2	.5	.5	79.4
113 Calhoun	1	.2	.3	79.6
121 Clay	4	.9	1.1	80.7
125 Dallas	2	.5	.5	81.2
134 Floyd	1	.2	.3	81.5
137 Greene	1	.2	.3	81.7
140 Hamilton	2	.5	.5	82.3
146 Humboldt	2	.5	.5	82.8
152 Johnson	2	.5	.5	83.3
160 Lyon	1	.2	.3	83.6
169 Montgomery	1	.2	.3	83.9
171 Obrien	1	.2	.3	84.1
172 Osceola	1	.2	.3	84.4
177 Polk	2	.5	.5	84.9
184 Sioux	1	.2	.3	85.2
185 Story	1	.2	.3	85.4
187 Taylor	3	.7	.8	86.2
195 Winnebago	1	.2	.3	86.5
196 Winneshiek	1	.2	.3	86.8
199 Wright	2	.5	.5	87.3
249 Jasper	1	.2	.3	87.6
311 Dickey	1	.2	.3	87.8
332 Nelson	2	.5	.5	88.4
502 Beadle	2	.5	.5	88.9
511 Charles Mix	1	.2	.3	89.2
517 Davison	1	.2	.3	89.4
525 Grant	1	.2	.3	89.7
528 Hamlin	1	.2	.3	89.9
530 Hanson	2	.5	.5	90.5
533 Hutchinson	1	.2	.3	90.7
549 Minnehaha	2	.5	.5	91.3
550 Moody	2	.5	.5	91.8
603 Barron	6	1.4	1.6	93.4
606 Buffalo	2	.5	.5	93.9
612 Crawford	1	.2	.3	94.2
628 Jefferson	3	.7	.8	95.0
632 LaCrosse	1	.2	.3	95.2
648 Pierce	1	.2	.3	95.5
654 Rock	3	.7	.8	96.3
660 Sheboygan	1	.2	.3	96.6
662 Trempealeau	8	1.8	2.1	98.7

Q28A COUNTY OF RESIDENCE (CONT)

Value	Frequency	Percent	Valid Percent	Cumulative Percent
663 Vernon	3	.7	.8	99.5
665 Walworth	1	.2	.3	99.7
668 Waukesha	1	.2	.3	100.0
Total valid	378	87.3	100.0	
Missing	55	12.7		
Total	433	100.0		

Q28B STATE OF RESIDENCE

Value	Frequency	Percent	Valid Percent	Cumulative Percent
15 Iowa	40	9.2	9.5	9.5
23 Minnesota	326	75.3	77.4	86.9
25 Missouri	1	.2	.2	87.2
34 North Dakota	3	.7	.7	87.9
35 Ohio	2	.5	.5	88.4
41 South Dakota	14	3.2	3.3	91.7
50 Wisconsin	35	8.1	8.3	100.0
Total valid	421	97.2	100.0	
Missing	12	2.8		
Total	433	100.0		

APPENDIX B

CONTINUOUS VARIABLES

Variable	Description	Page
Q7a2	Number of books about topics in Q4 purchased in past 12 months	B-3
Q7b2	Number of magazines about topics in Q4 purchased in past 12 months	B-3
Q7c2	Number of pamphlets about topics in Q4 purchased in past 12 months	B-4
Q7d2	Number of videos/DVD's/CD's about topics in Q4 purchased in past 12 months	B-4
Q7e2	Number of newsletters about topics in Q4 purchased in past 12 months	B-5
Q7f2	Number of other publications about topics in Q4 purchased in past 12 months - 1	B-5
Q7g2	Number of other publications about topics in Q4 purchased in past 12 months - 2	B-6
Q10b	Total amount paid for all education program registration fees in past 12 months	B-6
Q21a	Current poultry inventory: layers 30 weeks and older	B-7
Q21b	Current poultry inventory: replacement pullets	B-9
Q21c	Current poultry inventory: broilers & other meat-type chickens....	B-11
Q21d	Current poultry inventory: turkeys	B-12
Q21e	Current poultry inventory: replacement turkey hens	B-15
Q21f1	Current poultry inventory: turkey breeder hens.....	B-16
Q21f2	Current poultry inventory: ducks or geese	B-17
Q21g	Current poultry inventory: pheasants	B-18

Variable	Description	Page
Q21h	Current poultry inventory: other poultry	B-19
Q22a	Number sold annually: layers 20 weeks and older	B-20
Q22b	Number sold annually: replacement pullets.....	B-21
Q22c	Number sold annually: broilers & other meat-type chickens	B-22
Q22d	Number sold annually: turkeys	B-23
Q22e	Number sold annually: turkey hens	B-26
Q22f1	Number sold annually: turkey breeder hens	B-26
Q22f2	Number sold annually: ducks or geese	B-27
Q22g	Number sold annually: pheasants.....	B-28
Q22h	Number sold annually: other poultry	B-29
Q23	Year born	B-30
Q26a	Percentage of operations' labor provided by family members.....	B-32
Q26b	Percentage of operations' labor provided by hired labor	B-33
Q26c	Percentage of operations' labor provided by temp workers/crews .	B-34
Date	Date survey returned.....	B-35

**Q7A2 NUMBER OF BOOKS ABOUT TOPICS IN Q4 PURCHASED IN PAST
12 MONTHS**

Value	Frequency	Percent	Valid Percent	Cumulative Percent
1	23	5.3	44.2	44.2
2	19	4.4	36.5	80.8
3	4	.9	7.7	88.5
4	1	.2	1.9	90.4
5	2	.5	3.8	94.2
6	1	.2	1.9	96.2
10	1	.2	1.9	98.1
12	1	.2	1.9	100.0
Total valid	52	12.0	100.0	
Missing	381	88.0		
Total	433	100.0		

**Q7B2 NUMBER OF MAGAZINES ABOUT TOPICS IN Q4 PURCHASED IN PAST
12 MONTHS**

Value	Frequency	Percent	Valid Percent	Cumulative Percent
1	24	5.5	19.8	19.8
2	35	8.1	28.9	48.8
3	25	5.8	20.7	69.4
4	12	2.8	9.9	79.3
5	2	.5	1.7	81.0
6	6	1.4	5.0	86.0
7	2	.5	1.7	87.6
8	1	.2	.8	88.4
10	3	.7	2.5	90.9
12	7	1.6	5.8	96.7
18	1	.2	.8	97.5
20	1	.2	.8	98.3
24	1	.2	.8	99.2
25	1	.2	.8	100.0
Total valid	121	27.9	100.0	
Missing	312	72.1		
Total	433	100.0		

Q7C2 NUMBER OF PAMPHLETS ABOUT TOPICS IN Q4 PURCHASED IN PAST 12 MONTHS

Value	Frequency	Percent	Valid Percent	Cumulative Percent
1	13	3.0	31.0	31.0
2	8	1.8	19.0	50.0
3	5	1.2	11.9	61.9
4	4	.9	9.5	71.4
5	1	.2	2.4	73.8
6	5	1.2	11.9	85.7
7	2	.5	4.8	90.5
8	1	.2	2.4	92.9
10	1	.2	2.4	95.2
12	1	.2	2.4	97.6
20	1	.2	2.4	100.0
Total valid	42	9.7	100.0	
Missing	391	90.3		
Total	433	100.0		

Q7D2 NUMBER OF VIDEOS/DVD'S/CD'S ABOUT TOPICS IN Q4 PURCHASED IN PAST 12 MONTHS

Value	Frequency	Percent	Valid Percent	Cumulative Percent
1	21	4.8	63.6	63.6
2	6	1.4	18.2	81.8
3	1	.2	3.0	84.8
4	1	.2	3.0	87.9
5	1	.2	3.0	90.9
7	1	.2	3.0	93.9
8	1	.2	3.0	97.0
10	1	.2	3.0	100.0
Total valid	33	7.6	100.0	
Missing	400	92.4		
Total	433	100.0		

**Q7E2 NUMBER OF NEWSLETTERS ABOUT TOPICS IN Q4 PURCHASED
IN PAST 12 MONTHS**

Value	Frequency	Percent	Valid Percent	Cumulative Percent
1	30	6.9	33.0	33.0
2	28	6.5	30.8	63.7
3	4	.9	4.4	68.1
4	11	2.5	12.1	80.2
5	1	.2	1.1	81.3
6	7	1.6	7.7	89.0
10	2	.5	2.2	91.2
12	6	1.4	6.6	97.8
25	1	.2	1.1	98.9
52	1	.2	1.1	100.0
Total valid	91	21.0	100.0	
Missing	342	79.0		
Total	433	100.0		

**Q7F2 NUMBER OF OTHER PUBLICATIONS ABOUT TOPICS IN Q4
PURCHASED IN PAST 12 MONTHS - 1**

Value	Frequency	Percent	Valid Percent	Cumulative Percent
1	1	.2	11.1	11.1
2	2	.5	22.2	33.3
3	3	.7	33.3	66.7
6	1	.2	11.1	77.8
10	1	.2	11.1	88.9
52	1	.2	11.1	100.0
Total valid	9	2.1	100.0	
Missing	424	97.9		
Total	433	100.0		

**Q7G2 NUMBER OF OTHER PUBLICATIONS ABOUT TOPICS IN Q4
PURCHASED IN PAST 12 MONTHS - 2**

Value	Frequency	Percent	Valid Percent	Cumulative Percent
1	1	.2	50.0	50.0
12	1	.2	50.0	100.0
Total valid	2	.5	100.0	
Missing	431	99.5		
Total	433	100.0		

**Q10B TOTAL AMOUNT PAID FOR ALL EDUCATION PROGRAM
REGISTRATION FEES IN PAST 12 MONTHS**

Value	Frequency	Percent	Valid Percent	Cumulative Percent
0	53	12.2	29.8	29.8
15	3	.7	1.7	31.5
20	2	.5	1.1	32.6
25	13	3.0	7.3	39.9
30	4	.9	2.2	42.1
50	13	3.0	7.3	49.4
60	4	.9	2.2	51.7
75	1	.2	.6	52.2
80	1	.2	.6	52.8
100	7	1.6	3.9	56.7
105	1	.2	.6	57.3
120	1	.2	.6	57.9
150	8	1.8	4.5	62.4
175	1	.2	.6	62.9
200	5	1.2	2.8	65.7
250	4	.9	2.2	68.0
300	5	1.2	2.8	70.8
350	4	.9	2.2	73.0
400	4	.9	2.2	75.3
500	14	3.2	7.9	83.1
600	3	.7	1.7	84.8
700	3	.7	1.7	86.5
750	3	.7	1.7	88.2
800	1	.2	.6	88.8

**Q10B TOTAL AMOUNT PAID FOR ALL EDUCATION PROGRAM
REGISTRATION FEES IN PAST 12 MONTHS (CONT)**

Value	Frequency	Percent	Valid Percent	Cumulative Percent
870	1	.2	.6	89.3
1000	13	3.0	7.3	96.6
1200	1	.2	.6	97.2
1500	1	.2	.6	97.8
2000	2	.5	1.1	98.9
Total valid	178	41.1	100.0	
Missing	255	58.9		
Total	433	100.0		

Q21A CURRENT POULTRY INVENTORY: LAYERS 20 WEEKS AND OLDER

Value	Frequency	Percent	Valid Percent	Cumulative Percent
0	171	39.5	61.5	61.5
3	1	.2	.4	61.9
4	1	.2	.4	62.2
8	2	.5	.7	62.9
10	2	.5	.7	63.7
15	1	.2	.4	64.0
20	3	.7	1.1	65.1
25	1	.2	.4	65.5
30	4	.9	1.4	66.9
40	3	.7	1.1	68.0
50	3	.7	1.1	69.1
75	1	.2	.4	69.4
100	1	.2	.4	69.8
150	1	.2	.4	70.1
300	1	.2	.4	70.5
400	2	.5	.7	71.2
425	1	.2	.4	71.6
500	1	.2	.4	71.9
600	1	.2	.4	72.3
1000	2	.5	.7	73.0
3400	1	.2	.4	73.4
5500	1	.2	.4	73.7
6000	1	.2	.4	74.1

**Q21A CURRENT POULTRY INVENTORY: LAYERS 20 WEEKS
AND OLDER (CONT)**

Value	Frequency	Percent	Valid Percent	Cumulative Percent
10000	1	.2	.4	74.5
13000	3	.7	1.1	75.5
13300	1	.2	.4	75.9
14000	4	.9	1.4	77.3
14200	1	.2	.4	77.7
28000	1	.2	.4	78.1
30000	1	.2	.4	78.4
61000	1	.2	.4	78.8
75000	1	.2	.4	79.1
80000	2	.5	.7	79.9
90000	1	.2	.4	80.2
100000	4	.9	1.4	81.7
135000	1	.2	.4	82.0
142858	1	.2	.4	82.4
150000	1	.2	.4	82.7
178000	1	.2	.4	83.1
180000	1	.2	.4	83.5
200000	1	.2	.4	83.8
220000	1	.2	.4	84.2
250000	1	.2	.4	84.5
280000	1	.2	.4	84.9
300000	1	.2	.4	85.3
304000	1	.2	.4	85.6
480000	1	.2	.4	86.0
600000	1	.2	.4	86.3
650000	5	1.2	1.8	88.1
900000	1	.2	.4	88.5
950000	1	.2	.4	88.8
1000000	5	1.2	1.8	90.6
1014345	1	.2	.4	91.0
1061428	1	.2	.4	91.4
1100000	1	.2	.4	91.7
1200000	2	.5	.7	92.4
1300000	1	.2	.4	92.8
1500000	1	.2	.4	93.2
1700000	1	.2	.4	93.5
2000000	1	.2	.4	93.9
2500000	1	.2	.4	94.2
3000000	1	.2	.4	94.6
3100000	1	.2	.4	95.0

**Q21A CURRENT POULTRY INVENTORY: LAYERS 20 WEEKS
AND OLDER (CONT)**

Value	Frequency	Percent	Valid Percent	Cumulative Percent
3500000	1	.2	.4	95.3
4300000	1	.2	.4	95.7
6500000	2	.5	.7	96.4
6800000	2	.5	.7	97.1
11000000	2	.5	.7	97.8
12000000	1	.2	.4	98.2
12500000	2	.5	.7	98.9
13000000	3	.7	1.1	100.0
Total valid	278	64.2	100.0	
Missing	155	35.8		
Total	433	100.0		

Q21B CURRENT POULTRY INVENTORY: REPLACEMENT PULLETS

Value	Frequency	Percent	Valid Percent	Cumulative Percent
0	185	42.7	71.7	71.7
7	1	.2	.4	72.1
11	1	.2	.4	72.5
15	2	.5	.8	73.3
19	1	.2	.4	73.6
25	4	.9	1.6	75.2
30	1	.2	.4	75.6
40	1	.2	.4	76.0
60	1	.2	.4	76.4
75	1	.2	.4	76.7
120	1	.2	.4	77.1
150	1	.2	.4	77.5
200	1	.2	.4	77.9
250	1	.2	.4	78.3
300	1	.2	.4	78.7
400	1	.2	.4	79.1
500	1	.2	.4	79.5
650	1	.2	.4	79.8
6000	2	.5	.8	80.6
18500	1	.2	.4	81.0

Q21B CURRENT POULTRY INVENTORY: REPLACEMENT PULLETS (CONT)

Value	Frequency	Percent	Valid Percent	Cumulative Percent
22000	1	.2	.4	81.4
28000	1	.2	.4	81.8
30000	2	.5	.8	82.6
35000	1	.2	.4	82.9
40000	2	.5	.8	83.7
50000	1	.2	.4	84.1
60000	3	.7	1.2	85.3
62000	2	.5	.8	86.0
65000	1	.2	.4	86.4
70000	1	.2	.4	86.8
80000	2	.5	.8	87.6
100000	2	.5	.8	88.4
150000	1	.2	.4	88.8
180000	2	.5	.8	89.5
200000	1	.2	.4	89.9
240000	1	.2	.4	90.3
250000	3	.7	1.2	91.5
304000	1	.2	.4	91.9
320000	1	.2	.4	92.2
350000	1	.2	.4	92.6
390000	2	.5	.8	93.4
400000	2	.5	.8	94.2
454820	1	.2	.4	94.6
520000	1	.2	.4	95.0
528000	1	.2	.4	95.3
750000	1	.2	.4	95.7
900000	1	.2	.4	96.1
1000000	1	.2	.4	96.5
1200000	1	.2	.4	96.9
1500000	1	.2	.4	97.3
1950000	1	.2	.4	97.7
2000000	2	.5	.8	98.4
3500000	1	.2	.4	98.8
4000000	1	.2	.4	99.2
5000000	1	.2	.4	99.6
100000000	1	.2	.4	100.0
Total valid	258	59.6	100.0	
Missing	175	40.4		
Total	433	100.0		

Q21C CURRENT POULTRY INVENTORY: BROILERS & OTHER MEAT-TYPE CHICKENS

Value	Frequency	Percent	Valid Percent	Cumulative Percent
0	177	40.9	65.6	65.6
10	1	.2	.4	65.9
20	2	.5	.7	66.7
25	1	.2	.4	67.0
50	2	.5	.7	67.8
60	1	.2	.4	68.1
100	1	.2	.4	68.5
200	2	.5	.7	69.3
220	1	.2	.4	69.6
240	1	.2	.4	70.0
250	1	.2	.4	70.4
300	1	.2	.4	70.7
400	2	.5	.7	71.5
500	2	.5	.7	72.2
900	1	.2	.4	72.6
1000	1	.2	.4	73.0
1500	1	.2	.4	73.3
1750	1	.2	.4	73.7
2000	2	.5	.7	74.4
2400	1	.2	.4	74.8
14000	1	.2	.4	75.2
20000	1	.2	.4	75.6
24000	1	.2	.4	75.9
26000	2	.5	.7	76.7
30000	1	.2	.4	77.0
40000	3	.7	1.1	78.1
42000	2	.5	.7	78.9
48000	1	.2	.4	79.3
50000	21	4.8	7.8	87.0
51000	10	2.3	3.7	90.7
51286	1	.2	.4	91.1
52000	4	.9	1.5	92.6
60000	1	.2	.4	93.0
90000	1	.2	.4	93.3
93000	1	.2	.4	93.7
94000	1	.2	.4	94.1
95000	1	.2	.4	94.4
100000	4	.9	1.5	95.9
150000	1	.2	.4	96.3
250000	1	.2	.4	96.7

Q21C CURRENT POULTRY INVENTORY: BROILERS & OTHER MEAT-TYPE CHICKENS (CONT)

Value	Frequency	Percent	Valid Percent	Cumulative Percent
1800000	1	.2	.4	97.0
4000000	1	.2	.4	97.4
4500000	2	.5	.7	98.1
5000000	1	.2	.4	98.5
7000000	1	.2	.4	98.9
15000000	1	.2	.4	99.3
33280000	1	.2	.4	99.6
40000000	1	.2	.4	100.0
Total valid	270	62.4	100.0	
Missing	163	37.6		
Total	433	100.0		

Q21D CURRENT POULTRY INVENTORY: TURKEYS

Value	Frequency	Percent	Valid Percent	Cumulative Percent
0	160	37.0	57.1	57.1
1	1	.2	.4	57.5
3	1	.2	.4	57.9
7	1	.2	.4	58.2
15	1	.2	.4	58.6
20	3	.7	1.1	59.6
25	1	.2	.4	60.0
38	1	.2	.4	60.4
40	1	.2	.4	60.7
50	1	.2	.4	61.1
80	1	.2	.4	61.4
100	1	.2	.4	61.8
200	1	.2	.4	62.1
500	1	.2	.4	62.5
3000	1	.2	.4	62.9
6000	1	.2	.4	63.2
11000	1	.2	.4	63.6
12000	2	.5	.7	64.3
15000	1	.2	.4	64.6
16000	2	.5	.7	65.4
18000	1	.2	.4	65.7

Q21D CURRENT POULTRY INVENTORY: TURKEYS (CONT)

Value	Frequency	Percent	Valid Percent	Cumulative Percent
19000	1	.2	.4	66.1
20000	1	.2	.4	66.4
21000	1	.2	.4	66.8
22800	1	.2	.4	67.1
24000	1	.2	.4	67.5
25000	1	.2	.4	67.9
26000	1	.2	.4	68.2
30000	4	.9	1.4	69.6
32000	1	.2	.4	70.0
34000	1	.2	.4	70.4
35000	2	.5	.7	71.1
36000	1	.2	.4	71.4
38000	1	.2	.4	71.8
40000	6	1.4	2.1	73.9
42000	1	.2	.4	74.3
43000	1	.2	.4	74.6
45000	6	1.4	2.1	76.8
50000	5	1.2	1.8	78.6
53000	1	.2	.4	78.9
54498	1	.2	.4	79.3
55000	2	.5	.7	80.0
56000	2	.5	.7	80.7
60000	4	.9	1.4	82.1
64000	2	.5	.7	82.9
70000	1	.2	.4	83.2
75000	2	.5	.7	83.9
90000	1	.2	.4	84.3
92000	1	.2	.4	84.6
95000	1	.2	.4	85.0
100000	1	.2	.4	85.4
120000	2	.5	.7	86.1
150000	1	.2	.4	86.4
180000	2	.5	.7	87.1
184000	1	.2	.4	87.5
200000	1	.2	.4	87.9
220000	1	.2	.4	88.2
230000	1	.2	.4	88.6
235000	1	.2	.4	88.9
250000	1	.2	.4	89.3
275000	1	.2	.4	89.6
280000	1	.2	.4	90.0

Q21D CURRENT POULTRY INVENTORY: TURKEYS (CONT)

Value	Frequency	Percent	Valid Percent	Cumulative Percent
300000	2	.5	.7	90.7
400000	1	.2	.4	91.1
500000	4	.9	1.4	92.5
530000	1	.2	.4	92.9
600000	1	.2	.4	93.2
630000	1	.2	.4	93.6
800000	1	.2	.4	93.9
900000	1	.2	.4	94.3
928500	1	.2	.4	94.6
1000000	3	.7	1.1	95.7
1400000	1	.2	.4	96.1
1500000	2	.5	.7	96.8
1684800	1	.2	.4	97.1
1800000	1	.2	.4	97.5
2000000	1	.2	.4	97.9
2300000	1	.2	.4	98.2
3000000	1	.2	.4	98.6
3600000	1	.2	.4	98.9
4000000	1	.2	.4	99.3
10000000	2	.5	.7	100.0
Total valid	280	64.7	100.0	
Missing	153	35.3		
Total	433	100.0		

Q21E CURRENT POULTRY INVENTORY: REPLACEMENT TURKEY HENS

Value	Frequency	Percent	Valid Percent	Cumulative Percent
0	207	47.8	92.8	92.8
2	1	.2	.4	93.3
10	1	.2	.4	93.7
15	1	.2	.4	94.2
800	1	.2	.4	94.6
4000	1	.2	.4	95.1
5400	1	.2	.4	95.5
9500	1	.2	.4	96.0
18000	3	.7	1.3	97.3
20000	1	.2	.4	97.8
25000	1	.2	.4	98.2
40000	1	.2	.4	98.7
55000	1	.2	.4	99.1
102000	1	.2	.4	99.6
300000	1	.2	.4	100.0
Total valid	223	51.5	100.0	
Missing	210	48.5		
Total	433	100.0		

Q21F1 CURRENT POULTRY INVENTORY: TURKEY BREEDER HENS

Value	Frequency	Percent	Valid Percent	Cumulative Percent
0	211	48.7	90.2	90.2
1	2	.5	.9	91.0
5	1	.2	.4	91.5
50	1	.2	.4	91.9
450	1	.2	.4	92.3
600	1	.2	.4	92.7
800	1	.2	.4	93.2
5300	1	.2	.4	93.6
7800	1	.2	.4	94.0
8000	1	.2	.4	94.4
9500	1	.2	.4	94.9
10000	1	.2	.4	95.3
15000	1	.2	.4	95.7
18600	1	.2	.4	96.2
28000	1	.2	.4	96.6
48000	1	.2	.4	97.0
60000	1	.2	.4	97.4
80000	3	.7	1.3	98.7
95000	1	.2	.4	99.1
150000	1	.2	.4	99.6
400000	1	.2	.4	100.0
Total valid	234	54.0	100.0	
Missing	199	46.0		
Total	433	100.0		

Q21F2 CURRENT POULTRY INVENTORY: DUCKS OR GEESE

Value	Frequency	Percent	Valid Percent	Cumulative Percent
0	210	48.5	86.4	86.4
2	2	.5	.8	87.2
4	2	.5	.8	88.1
6	1	.2	.4	88.5
8	1	.2	.4	88.9
9	1	.2	.4	89.3
10	2	.5	.8	90.1
12	1	.2	.4	90.5
15	1	.2	.4	90.9
25	1	.2	.4	91.4
28	1	.2	.4	91.8
30	1	.2	.4	92.2
40	2	.5	.8	93.0
60	1	.2	.4	93.4
70	1	.2	.4	93.8
75	1	.2	.4	94.2
80	1	.2	.4	94.7
100	2	.5	.8	95.5
200	3	.7	1.2	96.7
250	1	.2	.4	97.1
325	1	.2	.4	97.5
400	1	.2	.4	97.9
500	1	.2	.4	98.4
800	1	.2	.4	98.8
850	1	.2	.4	99.2
1000	2	.5	.8	100.0
Total valid	243	56.1	100.0	
Missing	190	43.9		
Total	433	100.0		

Q21G CURRENT POULTRY INVENTORY: PHEASANTS

Value	Frequency	Percent	Valid Percent	Cumulative Percent
0	212	49.0	88.7	88.7
3	1	.2	.4	89.1
4	1	.2	.4	89.5
5	1	.2	.4	90.0
10	1	.2	.4	90.4
15	1	.2	.4	90.8
20	2	.5	.8	91.6
23	1	.2	.4	92.1
30	1	.2	.4	92.5
35	1	.2	.4	92.9
40	2	.5	.8	93.7
50	1	.2	.4	94.1
150	2	.5	.8	95.0
300	1	.2	.4	95.4
1200	1	.2	.4	95.8
2000	1	.2	.4	96.2
2400	1	.2	.4	96.7
15000	1	.2	.4	97.1
22900	1	.2	.4	97.5
25000	1	.2	.4	97.9
45000	1	.2	.4	98.3
50000	1	.2	.4	98.7
130000	1	.2	.4	99.2
131000	1	.2	.4	99.6
150000	1	.2	.4	100.0
Total valid	239	55.2	100.0	
Missing	194	44.8		
Total	433	100.0		

Q21H CURRENT POULTRY INVENTORY: OTHER POULTRY

Value	Frequency	Percent	Valid Percent	Cumulative Percent
3	1	.2	5.6	5.6
15	2	.5	11.1	16.7
25	2	.5	11.1	27.8
33	1	.2	5.6	33.3
40	1	.2	5.6	38.9
50	1	.2	5.6	44.4
105	1	.2	5.6	50.0
150	2	.5	11.1	61.1
300	1	.2	5.6	66.7
1200	1	.2	5.6	72.2
1500	2	.5	11.1	83.3
6000	1	.2	5.6	88.9
10000	1	.2	5.6	94.4
28000	1	.2	5.6	100.0
Total valid	18	4.2	100.0	
Missing	415	95.8		
Total	433	100.0		

Q22A NUMBER SOLD ANNUALLY: LAYERS 20 WEEKS AND OLDER

Value	Frequency	Percent	Valid Percent	Cumulative Percent
0	219	50.6	88.0	88.0
5	1	.2	.4	88.4
6	1	.2	.4	88.8
20	2	.5	.8	89.6
25	2	.5	.8	90.4
200	1	.2	.4	90.8
400	1	.2	.4	91.2
2000	1	.2	.4	91.6
2200	1	.2	.4	92.0
6000	1	.2	.4	92.4
9000	1	.2	.4	92.8
10000	1	.2	.4	93.2
14000	2	.5	.8	94.0
14200	1	.2	.4	94.4
28000	1	.2	.4	94.8
100000	2	.5	.8	95.6
170000	1	.2	.4	96.0
225000	1	.2	.4	96.4
250000	1	.2	.4	96.8
325000	1	.2	.4	97.2
364000	1	.2	.4	97.6
400000	1	.2	.4	98.0
1200000	1	.2	.4	98.4
1500000	1	.2	.4	98.8
3000000	1	.2	.4	99.2
3900000	1	.2	.4	99.6
11000000	1	.2	.4	100.0
Total valid	249	57.5	100.0	
Missing	184	42.5		
Total	433	100.0		

Q22B NUMBER SOLD ANNUALLY: REPLACEMENT PULLETS

Value	Frequency	Percent	Valid Percent	Cumulative Percent
0	218	50.3	87.9	87.9
1	1	.2	.4	88.3
10	3	.7	1.2	89.5
25	2	.5	.8	90.3
46	1	.2	.4	90.7
700	1	.2	.4	91.1
40000	1	.2	.4	91.5
44000	1	.2	.4	91.9
70000	1	.2	.4	92.3
84000	1	.2	.4	92.7
100000	1	.2	.4	93.1
130000	1	.2	.4	93.5
220000	1	.2	.4	94.0
250000	1	.2	.4	94.4
350000	1	.2	.4	94.8
390000	1	.2	.4	95.2
600000	1	.2	.4	95.6
700000	1	.2	.4	96.0
750000	1	.2	.4	96.4
960000	1	.2	.4	96.8
1200000	1	.2	.4	97.2
1584000	1	.2	.4	97.6
3000000	1	.2	.4	98.0
3500000	1	.2	.4	98.4
3900000	1	.2	.4	98.8
4000000	1	.2	.4	99.2
4500000	1	.2	.4	99.6
31000000	1	.2	.4	100.0
Total valid	248	57.3	100.0	
Missing	185	42.7		
Total	433	100.0		

Q22C NUMBER SOLD ANNUALLY: BROILERS & OTHER MEAT-TYPE CHICKENS

Value	Frequency	Percent	Valid Percent	Cumulative Percent
0	181	41.8	66.5	66.5
3	1	.2	.4	66.9
20	1	.2	.4	67.3
25	1	.2	.4	67.6
50	1	.2	.4	68.0
88	1	.2	.4	68.4
100	1	.2	.4	68.8
150	2	.5	.7	69.5
200	2	.5	.7	70.2
250	1	.2	.4	70.6
400	1	.2	.4	71.0
500	1	.2	.4	71.3
700	1	.2	.4	71.7
1300	2	.5	.7	72.4
1750	1	.2	.4	72.8
2000	2	.5	.7	73.5
2500	2	.5	.7	74.3
4000	1	.2	.4	74.6
5000	1	.2	.4	75.0
10000	2	.5	.7	75.7
15000	1	.2	.4	76.1
20000	2	.5	.7	76.8
22000	1	.2	.4	77.2
30000	1	.2	.4	77.6
42000	1	.2	.4	77.9
50000	1	.2	.4	78.3
51000	1	.2	.4	78.7
52000	1	.2	.4	79.0
60000	1	.2	.4	79.4
130000	1	.2	.4	79.8
132000	1	.2	.4	80.1
150000	2	.5	.7	80.9
200000	1	.2	.4	81.3
250000	6	1.4	2.2	83.5
275000	1	.2	.4	83.8
288000	1	.2	.4	84.2
290000	1	.2	.4	84.6
295000	1	.2	.4	84.9
300000	20	4.6	7.4	92.3
305760	1	.2	.4	92.6

Q22C NUMBER SOLD ANNUALLY: BROILERS & OTHER MEAT-TYPE CHICKENS (CONT)

Value	Frequency	Percent	Valid Percent	Cumulative Percent
312000	1	.2	.4	93.0
371500	1	.2	.4	93.4
450000	1	.2	.4	93.8
465000	1	.2	.4	94.1
500000	1	.2	.4	94.5
564000	1	.2	.4	94.9
600000	2	.5	.7	95.6
750000	1	.2	.4	96.0
1000000	1	.2	.4	96.3
1800000	1	.2	.4	96.7
13500000	1	.2	.4	97.1
35000000	2	.5	.7	97.8
36000000	1	.2	.4	98.2
40000000	1	.2	.4	98.5
43500000	1	.2	.4	98.9
75000000	1	.2	.4	99.3
80000000	2	.5	.7	100.0
Total valid	272	62.8	100.0	
Missing	161	37.2		
Total	433	100.0		

Q22D NUMBER SOLD ANNUALLY: TURKEYS

Value	Frequency	Percent	Valid Percent	Cumulative Percent
0	161	37.2	56.5	56.5
1	1	.2	.4	56.8
4	1	.2	.4	57.2
8	1	.2	.4	57.5
20	3	.7	1.1	58.6
25	1	.2	.4	58.9
30	2	.5	.7	59.6
38	1	.2	.4	60.0
40	2	.5	.7	60.7
75	1	.2	.4	61.1
300	1	.2	.4	61.4

Q22D NUMBER SOLD ANNUALLY: TURKEYS (CONT)

Value	Frequency	Percent	Valid Percent	Cumulative Percent
1000	1	.2	.4	61.8
1250	1	.2	.4	62.1
1500	1	.2	.4	62.5
5000	2	.5	.7	63.2
8000	1	.2	.4	63.5
25000	1	.2	.4	63.9
27000	1	.2	.4	64.2
30000	3	.7	1.1	65.3
34000	1	.2	.4	65.6
40000	1	.2	.4	66.0
45000	1	.2	.4	66.3
50000	1	.2	.4	66.7
60000	3	.7	1.1	67.7
62000	2	.5	.7	68.4
70000	1	.2	.4	68.8
72000	2	.5	.7	69.5
80000	1	.2	.4	69.8
85000	1	.2	.4	70.2
90000	2	.5	.7	70.9
96000	1	.2	.4	71.2
100000	5	1.2	1.8	73.0
105000	1	.2	.4	73.3
110000	2	.5	.7	74.0
114000	1	.2	.4	74.4
115000	1	.2	.4	74.7
120000	3	.7	1.1	75.8
130000	6	1.4	2.1	77.9
140000	2	.5	.7	78.6
150000	4	.9	1.4	80.0
160000	2	.5	.7	80.7
168000	1	.2	.4	81.1
175000	1	.2	.4	81.4
180000	1	.2	.4	81.8
200000	1	.2	.4	82.1
220000	3	.7	1.1	83.2
230000	1	.2	.4	83.5
250000	1	.2	.4	83.9
270000	1	.2	.4	84.2
300000	3	.7	1.1	85.3
350000	1	.2	.4	85.6
450000	2	.5	.7	86.3

Q22D NUMBER SOLD ANNUALLY: TURKEYS (CONT)

Value	Frequency	Percent	Valid Percent	Cumulative Percent
500000	1	.2	.4	86.7
550000	1	.2	.4	87.0
560000	1	.2	.4	87.4
600000	1	.2	.4	87.7
650000	1	.2	.4	88.1
700000	1	.2	.4	88.4
750000	1	.2	.4	88.8
800000	1	.2	.4	89.1
840000	1	.2	.4	89.5
900000	2	.5	.7	90.2
1000000	3	.7	1.1	91.2
1040000	1	.2	.4	91.6
1314144	1	.2	.4	91.9
1400000	3	.7	1.1	93.0
1452540	1	.2	.4	93.3
1500000	2	.5	.7	94.0
1700000	1	.2	.4	94.4
2500000	1	.2	.4	94.7
3000000	2	.5	.7	95.4
4000000	2	.5	.7	96.1
4500000	2	.5	.7	96.8
7000000	1	.2	.4	97.2
7500000	1	.2	.4	97.5
8000000	1	.2	.4	97.9
9000000	1	.2	.4	98.2
11000000	2	.5	.7	98.9
14000000	1	.2	.4	99.3
30000000	1	.2	.4	99.6
35000000	1	.2	.4	100.0
Total valid	285	65.8	100.0	
Missing	148	34.2		
Total	433	100.0		

Q22E NUMBER SOLD ANNUALLY: TURKEY HENS

Value	Frequency	Percent	Valid Percent	Cumulative Percent
0	225	52.0	97.0	97.0
1	1	.2	.4	97.4
5	1	.2	.4	97.8
100	1	.2	.4	98.3
200	1	.2	.4	98.7
2000	1	.2	.4	99.1
170000	1	.2	.4	99.6
1000000	1	.2	.4	100.0
Total valid	232	53.6	100.0	
Missing	201	46.4		
Total	433	100.0		

Q22F1 NUMBER SOLD ANNUALLY: TURKEY BREEDER HENS

Value	Frequency	Percent	Valid Percent	Cumulative Percent
0	220	50.8	92.8	92.8
1	1	.2	.4	93.2
5	1	.2	.4	93.7
100	1	.2	.4	94.1
6000	1	.2	.4	94.5
7500	1	.2	.4	94.9
10000	2	.5	.8	95.8
14000	1	.2	.4	96.2
17000	1	.2	.4	96.6
18000	1	.2	.4	97.0
30000	1	.2	.4	97.5
45000	1	.2	.4	97.9
60000	2	.5	.8	98.7
110500	1	.2	.4	99.2
170000	1	.2	.4	99.6
250000	1	.2	.4	100.0
Total valid	237	54.7	100.0	
Missing	196	45.3		
Total	433	100.0		

Q22F2 NUMBER SOLD ANNUALLY: DUCKS OR GEESE

Value	Frequency	Percent	Valid Percent	Cumulative Percent
0	219	50.6	90.1	90.1
1	1	.2	.4	90.5
5	1	.2	.4	90.9
10	1	.2	.4	91.4
12	1	.2	.4	91.8
20	3	.7	1.2	93.0
25	1	.2	.4	93.4
30	2	.5	.8	94.2
35	2	.5	.8	95.1
75	1	.2	.4	95.5
150	1	.2	.4	95.9
175	1	.2	.4	96.3
200	1	.2	.4	96.7
300	1	.2	.4	97.1
400	2	.5	.8	97.9
700	1	.2	.4	98.4
900	1	.2	.4	98.8
1000	1	.2	.4	99.2
7000	1	.2	.4	99.6
10000	1	.2	.4	100.0
Total valid	243	56.1	100.0	
Missing	190	43.9		
Total	433	100.0		

Q22G NUMBER SOLD ANNUALLY: PHEASANTS

Value	Frequency	Percent	Valid Percent	Cumulative Percent
0	218	50.3	90.1	90.1
6	1	.2	.4	90.5
20	1	.2	.4	90.9
25	1	.2	.4	91.3
45	1	.2	.4	91.7
50	1	.2	.4	92.1
80	2	.5	.8	93.0
100	1	.2	.4	93.4
125	1	.2	.4	93.8
500	1	.2	.4	94.2
1100	1	.2	.4	94.6
1200	1	.2	.4	95.0
1250	1	.2	.4	95.5
1500	1	.2	.4	95.9
3500	1	.2	.4	96.3
4000	1	.2	.4	96.7
25000	1	.2	.4	97.1
70000	1	.2	.4	97.5
100000	1	.2	.4	97.9
570000	1	.2	.4	98.3
630000	1	.2	.4	98.8
1350000	1	.2	.4	99.2
1650000	1	.2	.4	99.6
1900000	1	.2	.4	100.0
Total valid	242	55.9	100.0	
Missing	191	44.1		
Total	433	100.0		

Q22H NUMBER SOLD ANNUALLY: OTHER POULTRY

Value	Frequency	Percent	Valid Percent	Cumulative Percent
5	1	.2	6.3	6.3
10	2	.5	12.5	18.8
14	1	.2	6.3	25.0
15	1	.2	6.3	31.3
18	1	.2	6.3	37.5
62	1	.2	6.3	43.8
100	2	.5	12.5	56.3
800	1	.2	6.3	62.5
2500	1	.2	6.3	68.8
25000	1	.2	6.3	75.0
60000	1	.2	6.3	81.3
1600000	1	.2	6.3	87.5
18000000	1	.2	6.3	93.8
100000000	1	.2	6.3	100.0
Total valid	16	3.7	100.0	
Missing	417	96.3		
Total	433	100.0		

Q23 YEAR BORN

Value	Frequency	Percent	Valid Percent	Cumulative Percent
1925	1	.2	.2	.2
1926	1	.2	.2	.5
1927	1	.2	.2	.7
1928	2	.5	.5	1.2
1929	1	.2	.2	1.5
1930	2	.5	.5	1.9
1931	3	.7	.7	2.7
1932	2	.5	.5	3.1
1933	2	.5	.5	3.6
1934	3	.7	.7	4.4
1935	3	.7	.7	5.1
1936	2	.5	.5	5.6
1937	5	1.2	1.2	6.8
1938	3	.7	.7	7.5
1939	10	2.3	2.4	9.9
1940	5	1.2	1.2	11.1
1941	7	1.6	1.7	12.8
1942	6	1.4	1.5	14.3
1943	9	2.1	2.2	16.5
1944	2	.5	.5	16.9
1945	8	1.8	1.9	18.9
1946	7	1.6	1.7	20.6
1947	11	2.5	2.7	23.2
1948	7	1.6	1.7	24.9
1949	9	2.1	2.2	27.1
1950	12	2.8	2.9	30.0
1951	14	3.2	3.4	33.4
1952	18	4.2	4.4	37.8
1953	15	3.5	3.6	41.4
1954	13	3.0	3.1	44.6
1955	20	4.6	4.8	49.4
1956	19	4.4	4.6	54.0
1957	16	3.7	3.9	57.9
1958	17	3.9	4.1	62.0
1959	15	3.5	3.6	65.6
1960	13	3.0	3.1	68.8
1961	9	2.1	2.2	70.9
1962	9	2.1	2.2	73.1
1963	17	3.9	4.1	77.2
1964	5	1.2	1.2	78.5
1965	9	2.1	2.2	80.6

Q23 YEAR BORN (CONT)

Value	Frequency	Percent	Valid Percent	Cumulative Percent
1966	7	1.6	1.7	82.3
1967	11	2.5	2.7	85.0
1968	5	1.2	1.2	86.2
1969	7	1.6	1.7	87.9
1970	8	1.8	1.9	89.8
1971	4	.9	1.0	90.8
1972	5	1.2	1.2	92.0
1973	7	1.6	1.7	93.7
1974	3	.7	.7	94.4
1975	2	.5	.5	94.9
1976	3	.7	.7	95.6
1977	3	.7	.7	96.4
1978	6	1.4	1.5	97.8
1979	2	.5	.5	98.3
1980	2	.5	.5	98.8
1981	1	.2	.2	99.0
1982	3	.7	.7	99.8
1988	1	.2	.2	100.0
Total valid	413	95.4	100.0	
Missing	20	4.6		
Total	433	100.0		

Q26A PERCENTAGE OF OPERATIONS' LABOR PROVIDED BY FAMILY MEMBERS

Value	Frequency	Percent	Valid Percent	Cumulative Percent
0	57	13.2	17.8	17.8
1	4	.9	1.3	19.1
2	1	.2	.3	19.4
3	1	.2	.3	19.7
4	1	.2	.3	20.0
5	8	1.8	2.5	22.5
7	1	.2	.3	22.8
8	1	.2	.3	23.1
10	18	4.2	5.6	28.8
15	2	.5	.6	29.4
20	16	3.7	5.0	34.4
25	6	1.4	1.9	36.3
30	5	1.2	1.6	37.8
40	3	.7	.9	38.8
45	1	.2	.3	39.1
50	12	2.8	3.8	42.8
66	1	.2	.3	43.1
70	5	1.2	1.6	44.7
75	4	.9	1.3	45.9
80	9	2.1	2.8	48.8
85	2	.5	.6	49.4
90	16	3.7	5.0	54.4
95	18	4.2	5.6	60.0
98	2	.5	.6	60.6
99	5	1.2	1.6	62.2
100	121	27.9	37.8	100.0
Total valid	320	73.9	100.0	
Missing	113	26.1		
Total	433	100.0		

**Q26B PERCENTAGE OF OPERATIONS' LABOR PROVIDED BY HIRED
LABOR**

Value	Frequency	Percent	Valid Percent	Cumulative Percent
0	46	10.6	16.9	16.9
1	6	1.4	2.2	19.1
4	1	.2	.4	19.5
5	12	2.8	4.4	23.9
8	1	.2	.4	24.3
10	11	2.5	4.0	28.3
15	2	.5	.7	29.0
20	7	1.6	2.6	31.6
25	6	1.4	2.2	33.8
30	3	.7	1.1	34.9
33	1	.2	.4	35.3
40	3	.7	1.1	36.4
50	11	2.5	4.0	40.4
53	1	.2	.4	40.8
54	1	.2	.4	41.2
60	4	.9	1.5	42.6
65	1	.2	.4	43.0
70	7	1.6	2.6	45.6
75	4	.9	1.5	47.1
80	18	4.2	6.6	53.7
85	3	.7	1.1	54.8
88	2	.5	.7	55.5
90	23	5.3	8.5	64.0
92	2	.5	.7	64.7
95	18	4.2	6.6	71.3
96	1	.2	.4	71.7
97	2	.5	.7	72.4
98	2	.5	.7	73.2
99	6	1.4	2.2	75.4
100	67	15.5	24.6	100.0
Total valid	272	62.8	100.0	
Missing	161	37.2		
Total	433	100.0		

**Q26C PERCENTAGE OF OPERATIONS' LABOR PROVIDED BY TEMP
WORKERS/CREWS**

Value	Frequency	Percent	Valid Percent	Cumulative Percent
0	89	20.6	46.6	46.6
1	8	1.8	4.2	50.8
2	4	.9	2.1	52.9
3	1	.2	.5	53.4
5	36	8.3	18.8	72.3
7	1	.2	.5	72.8
8	1	.2	.5	73.3
9	1	.2	.5	73.8
10	35	8.1	18.3	92.1
15	2	.5	1.0	93.2
19	1	.2	.5	93.7
20	4	.9	2.1	95.8
25	4	.9	2.1	97.9
27	1	.2	.5	98.4
40	2	.5	1.0	99.5
50	1	.2	.5	100.0
Total valid	191	44.1	100.0	
Missing	242	55.9		
Total	433	100.0		

DATE DATE SURVEY RETURNED

Value	Frequency	Percent	Valid Percent	Cumulative Percent
608	6	1.4	1.4	1.4
609	31	7.2	7.2	8.5
610	23	5.3	5.3	13.9
613	36	8.3	8.3	22.2
614	17	3.9	3.9	26.1
615	22	5.1	5.1	31.2
616	24	5.5	5.5	36.7
617	25	5.8	5.8	42.5
620	24	5.5	5.5	48.0
621	12	2.8	2.8	50.8
622	13	3.0	3.0	53.8
623	12	2.8	2.8	56.6
624	7	1.6	1.6	58.2
627	9	2.1	2.1	60.3
628	3	.7	.7	61.0
629	5	1.2	1.2	62.1
630	19	4.4	4.4	66.5
701	20	4.6	4.6	71.1
702	38	8.8	8.8	79.9
706	9	2.1	2.1	82.0
707	9	2.1	2.1	84.1
708	7	1.6	1.6	85.7
711	11	2.5	2.5	88.2
712	6	1.4	1.4	89.6
713	4	.9	.9	90.5
714	3	.7	.7	91.2
715	2	.5	.5	91.7
718	3	.7	.7	92.4
719	2	.5	.5	92.8
726	8	1.8	1.8	94.7
727	3	.7	.7	95.4
728	7	1.6	1.6	97.0
729	4	.9	.9	97.9
801	3	.7	.7	98.6
802	1	.2	.2	98.8
804	1	.2	.2	99.1
816	1	.2	.2	99.3
818	1	.2	.2	99.5
9999	2	.5	.5	100.0
Total	433	100.0	100.0	

APPENDIX C
COVER LETTERS AND POSTCARD TEXT

<u>Description</u>	<u>Page</u>
Cover Letter – June 6, 2005	C-2
Reminder Postcard Text	C-3
Follow-up Letter – June 27, 2005	C-4
Follow-up Postcard Text	C-5

Extension

S E R V I C E

June 6, 2005

**College of
Agricultural, Food
and Environmental
Sciences**

277 Coffey Hall
1420 Eckles Avenue
St. Paul, MN 55108-6074

PHONE
(612) 625-7061

FAX
(612) 625-1260

WEB
www.extension.umn.edu

Dear Minnesota Poultry Producer or Processor:

The University of Minnesota Extension Service needs your help with an important project related to the poultry industry in Minnesota. Over the years we have provided unbiased, factual, research-based information at educational programming events in Minnesota. However, we need up-to-date information about your preferred topics and formats for future educational programs.

Enclosed is a survey that is being sent to a random sample of people who are associated with Minnesota's poultry industry. We greatly value your opinion and would like to use this information as we evaluate the feasibility and potential success for programs that could be offered to poultry producers and processors throughout the state.

Your answers are completely confidential and results from the survey will be released only as summaries in which no individual's answers can be identified. The survey has an identification number for mailing purposes only and will allow us to check your name off the mailing list when your survey is returned.

Please complete the questionnaire and return it in the enclosed envelope as soon as possible. The survey should take about 15 minutes to complete. We have asked the University of Minnesota Center for Survey Research to assist us with the study; therefore, the surveys are being returned to their office.

Thank you very much for your assistance. If you have any questions about the survey, please feel free to contact me.

Sincerely,



Sally Noll, Ph.D.
Poultry Extension Specialist and Professor,
Department of Animal Science
University of Minnesota

Last week a questionnaire was mailed to you seeking your knowledge and opinions about issues related to educational programs for poultry producers and processors. You received this questionnaire because you are affiliated with the poultry industry in Minnesota.

If you have already completed and returned the questionnaire, please accept my sincere thanks. If not, please take a few minutes to complete it today. Your response is very much appreciated and will be essential for helping staff at the University of Minnesota Extension Service plan future programs for poultry producers and processors.

If you did not receive the survey, or if you misplaced it, please call the Minnesota Center for Survey Research at 612-627-4282 (between 9 am and 4 pm) and they will send you another one right away.

Sincerely,

Sally Noll, Poultry Extension Specialist/Professor
c/o Minnesota Center for Survey Research
2331 University Avenue SE, Suite 141
Minneapolis, MN 55414-3067

Extension

SERVICE

June 27, 2005

**College of
Agricultural, Food
and Environmental
Sciences**

277 Coffey Hall
1420 Eckles Avenue
St. Paul, MN 55108-6074

PHONE
(612) 625-7061

FAX
(612) 625-1260

WEB
www.extension.umn.edu

Dear Minnesota Poultry Producer or Processor:

About three weeks ago, I wrote to you seeking information about your preferred topics and formats for future University of Minnesota Extension programs. As of today, we have not yet received your completed questionnaire.

Your help is very important. We have undertaken this study because of our belief that the opinions of people in Minnesota's poultry industry are a valuable source of information for planning educational programs for poultry producers and processors.

I am writing to you again because of the significance of each questionnaire in this study. In order for the results to be truly representative of the opinions of Minnesota's poultry producers and processors, it is essential that each person in the sample return their questionnaire.

In case your questionnaire has been misplaced, a replacement copy is enclosed. We have asked the University of Minnesota Center for Survey Research to assist us with this study; therefore, the surveys are being returned to their office.

Your answers are completely confidential and results from the survey will be released only as summaries in which no individual's answers can be identified. The survey has an identification number for mailing purposes only and will allow us to check your name off the mailing list when your survey is returned.

Your cooperation is greatly appreciated. If you have any questions about the survey, please feel free to contact me at 612-624-4928 or via email, nollx001@umn.edu.

Sincerely,



Sally Noll, Ph.D.
Poultry Extension Specialist and Professor,
Department of Animal Science
University of Minnesota

PLEASE SEND US YOUR COMPLETED SURVEY!

I am writing to you about a survey that was recently sent to you. I am concerned because we have not yet received your survey, and the project is nearly done.

The survey was sent to people who work in or are associated with Minnesota's poultry industry. If you are not working in or affiliated with the poultry industry, please let us know by writing that information on your survey and mailing it back, or by calling us. If you are a poultry producer or processor, or an affiliated individual, please return your completed survey. We really want to hear from you. **Your participation is important!**

If your survey has been misplaced, please call the Minnesota Center for Survey Research (collect) at 612-627-4282, and another survey will be sent to you right away. Your name and address will be removed from our survey mailing list when we hear from you. Thank you very much for your participation.

Sincerely,

Sally Noll, Extension Specialist and Professor
c/o Minnesota Center for Survey Research
2331 University Avenue SE, Suite 141
Minneapolis, MN 55414-3067